

Amdt. dated August 20, 2004
Reply to Office action of 05/20/2004

Serial No. 09/734,833
Docket No. STL920000081US1
Firm No. 0054.0030

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) A method of identifying an interface of an application program comprising the interface and source code, said method comprising the steps:

parsing the source code of the application program to identify meta information;
storing in a repository the meta information and a link pointing to an original location of the meta information within the application program, wherein original locations store information about sources files and interfaces comprising application programs;

allowing a user to query the repository to determine which of the source files and which of the interfaces comprise the application program;

constructing a new source file containing the interfaces which comprise the application program;

storing the new source file and a link pointing to a location of the new source file in the repository; and

constructing a meta language document containing a description of the application program interfaces to enable a connector building tool to build an interface to the application program.

2.(Currently amended) The method of claim 1 further comprising the step of:
for a transaction contained in the application program, displaying a first visual indicia indicium which navigates via the a link to an entry point of the source code corresponding to the transaction.

3.(Currently amended) The method of claim 2 further comprising the step of:

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displaying the transaction contained in the application program together with a second visual indicia indicium which navigates to documentation stored in the repository corresponding to the transaction.

4. (Original) The method of claim 3 further comprising the steps of:
allowing the user to select the transaction;
displaying a data structure corresponding to the selected transaction;
allowing the user to select the data structure; and
for the selected data structure, computing input and output fields and overlaying the fields on the selected data structure.
5. (Original) The method of claim 4 further comprising the steps of:
allowing the user to edit the computed fields; and
analyzing the selections and editions to determine if an error exists.
6. (Currently amended) A method of identifying an interface of an application program comprising the interface and source code, said method comprising the steps:
parsing the source code of the application program to identify meta information;
storing in a repository the meta information and a link pointing to an original location of the meta information within the application program, wherein original locations store information about sources files and interfaces comprising application programs;
allowing a user to query the repository to determine which of the source files and which of the interfaces comprise the application program;
for a transaction contained in the application program, displaying a first visual indicia indicium which navigates via the a link to an entry point of the source code corresponding to the transaction;

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displaying the transaction contained in the application program together with a second visual indicia indiciu which navigates to documentation stored in the repository corresponding to the transaction;

allowing the user to select the transaction;

displaying a data structure corresponding to the selected transaction;

allowing the user to select the data structure; and

for the selected data structure, computing input and output fields and overlaying the fields on the selected data structure;

allowing the user to edit the computed fields;

analyzing the selections and editions to determine if an error exists.

constructing a new source file containing the interfaces which comprise the application program;

storing the new source file and a link pointing to a location of the new source file in the repository; and

constructing a meta language document containing a description of the application program interfaces to enable a connector building tool to build an interface to the application program.

7.(Currently amended) An article of manufacture for use in a computer system for identifying an interface of an application program comprising the interface and source code, said article of manufacture comprising a computer-readable storage medium having a computer program embodied in said medium which causes the computer system to execute a method comprising the steps of:

parsing the source code of the application program to identify meta information;

storing in a repository the meta information and a link pointing to an original location of the meta information within the application program, wherein original

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locations store information about sources files and interfaces comprising application programs;

allowing a user to query the repository to determine which of the source files and which of the interfaces comprise the application program;

constructing a new source file containing the interfaces which comprise the application program;

storing the new source file and a link pointing to a location of the new source file in the repository; and

constructing a meta language document containing a description of the application program interfaces to enable a connector building tool to build an interface to the application program.

8.(Currently amended) The article of manufacture of claim 7 wherein the embodied computer program further causes the computer system to execute the method step:

for a transaction contained in the application program, displaying a first visual indicia indicium which navigates via ~~the~~ a link to an entry point of the source code corresponding to the transaction.

9.(Currently amended) The article of manufacture of claim 8 wherein the embodied computer program further causes the computer system to execute the method step:

displaying the transaction contained in the application program together with a second visual indicia indicium which navigates to documentation stored in the repository corresponding to the transaction.

10.(Original) The article of manufacture of claim 9 wherein the embodied computer program further causes the computer system to execute the method steps:

allowing the user to select the transaction;

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displaying a data structure corresponding to the selected transaction;
allowing the user to select the data structure; and
for the selected data structure, computing input and output fields and overlaying the fields on the selected data structure.

11.(Original) The article of manufacture of claim 10 wherein the embodied computer program further causes the computer system to execute the method steps:

allowing the user to edit the computed fields; and
analyzing the selections and editions to determine if an error exists.

12.(Currently amended) An article of manufacture of identifying an interface of an application program comprising the interface and source code, said article of manufacture comprising a computer-readable storage medium having a computer program embodied in said medium which causes the computer system to execute a method comprising the steps of:

parsing the source code of the application program to identify meta information;
storing in a repository the meta information and a link pointing to an original location of the meta information within the application program, wherein original locations store information about sources files and interfaces comprising application programs;
allowing a user to query the repository to determine which of the source files and which of the interfaces comprise the application program;
for a transaction contained in the application program, displaying a first visual indicia indiciu which navigates via the a link to an entry point of the source code corresponding to the transaction;

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displaying the transaction contained in the application program together with a second visual indicia indicium which navigates to documentation stored in the repository corresponding to the transaction;

allowing the user to select the transaction;

displaying a data structure corresponding to the selected transaction;

allowing the user to select the data structure; and

for the selected data structure, computing input and output fields and overlaying the fields on the selected data structure;

allowing the user to edit the computed fields;

analyzing the selections and editions to determine if an error exists.

constructing a new source file containing the interfaces which comprise the application program;

storing the new source file and a link pointing to a location of the new source file in the repository; and

constructing a meta language document containing a description of the application program interfaces to enable a connector building tool to build an interface to the application program.

13. (Currently amended) A computer system for identifying an interface of an application program comprising the interface and source code, said computer system comprising:

a parser for parsing the source code of the application program to identify meta information;

storage for storing in a repository the meta information and a link pointing to an original location of the meta information within the application program, wherein original locations store information about sources files and interfaces comprising application programs;

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a query of the repository to determine which of the source files and which of the interfaces comprise the application program;

a new source file containing the interfaces which comprise the application program;

storage for storing the new source file and a link pointing to a location of the new source file in the repository; and

a meta language document containing a description of the application program interfaces to enable a connector building tool to build an interface to the application program.

14.(Currently amended) The computer system of claim 13 further comprising:
a first visual indicia indicium, for a transaction contained in the application program, which navigates via the a link to an entry point of the source code corresponding to the transaction.

15.(Currently amended) The computer system of claim 14 further comprising:
a second visual indicia indicium, displayed with the transaction contained in the application program, which navigates to documentation stored in the repository corresponding to the transaction.

16.(Original) The computer system of claim 15 further comprising:
a selected transaction;
a display of a data structure corresponding to the selected transaction;
a selected data structure;
computed input and output fields for the selected data structure; and
an overlay of the fields on the selected data structure.

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- 17.(Original) The computer system of claim 16 further comprising:
an editor for editing the computed fields; and
an analyzer for analyzing the selections and editions to determine if an error exists.
- 18.(Currently amended) A computer system for identifying an interface of an application program comprising the interface and source code, said computer system comprising:
a parser for parsing the source code of the application program to identify meta information;
storage for storing in a repository the meta information and a link pointing to an original location of the meta information within the application program, wherein original locations store information about sources files and interfaces comprising application program;
a query of the repository to determine which of the source files and which of the interfaces comprise the application program;
a display of a first visual indicia indicium, for a transaction contained in the application program, which navigates via ~~the~~ a link to an entry point of the source code corresponding to the transaction;
a display of a second visual indicia indicium, together with the transaction contained in the application program, which navigates to documentation stored in the repository corresponding to the transaction;
a selected transaction;
a display of a data structure corresponding to the selected transaction;
a selected data structure;
computed input and output fields for the selected data structure;
an overlay of the fields on the selected data structure;
an editor for editing the computed fields;

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an analyzer for analyzing the selections and editions to determine if an error exists.

a new source file containing the interfaces which comprise the application program;

storage for storing the new source file and a link pointing to a location of the new source file in the repository; and

a meta language document containing a description of the application program interfaces to enable a connector building tool to build an interface to the application program.

19. (New) The method of claim 3, wherein the link is a first link, wherein the meta information is a first meta information that describes the source code, wherein the original location is a first original location, the method further comprising:

storing in the repository second meta information that describes the interface and a second link pointing to a second original location of the second meta information describing the interface.

20. (New) The method of claim 19, wherein the interfaces are application programming interfaces to the application programs, and wherein the application programs are capable of being accessed via the application programming interfaces.

21. (New) The article of manufacture of claim 9, wherein the link is a first link, wherein the meta information is a first meta information that describes the source code, wherein the original location is a first original location, and wherein the embodied computer program further causes the computer system to execute the method step:

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storing in the repository second meta information that describes the interface and a second link pointing to a second original location of the second meta information describing the interface.

22. (New) The article of manufacture of claim 21, wherein the interfaces are application programming interfaces to the application programs, and wherein the application programs are capable of being accessed via the application programming interfaces.

23. (New) The system of claim 15, wherein the link is a first link, wherein the meta information is a first meta information that describes the source code, wherein the original location is a first original location, and wherein the storage further stores second meta information that describes the interface and a second link pointing to a second original location of the second meta information describing the interface.

24. (New) The system of claim 23, wherein the interfaces are application programming interfaces to the application programs, and wherein the application programs are capable of being accessed via the application programming interfaces.